APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(FDD 25670)

The Problems of Volitional Activity in the Works of I. M. Sechenov and I. P. Pavlov, by A. M. Avramenko, 23 pp.

RUSSIAN, ~~8-times-yr~~ per, Sov Pedagogika, Vol XVIII, No 8, Moscow, 1954, pp 102-~~XX~~ 112.

CIA/FDD/U-7373

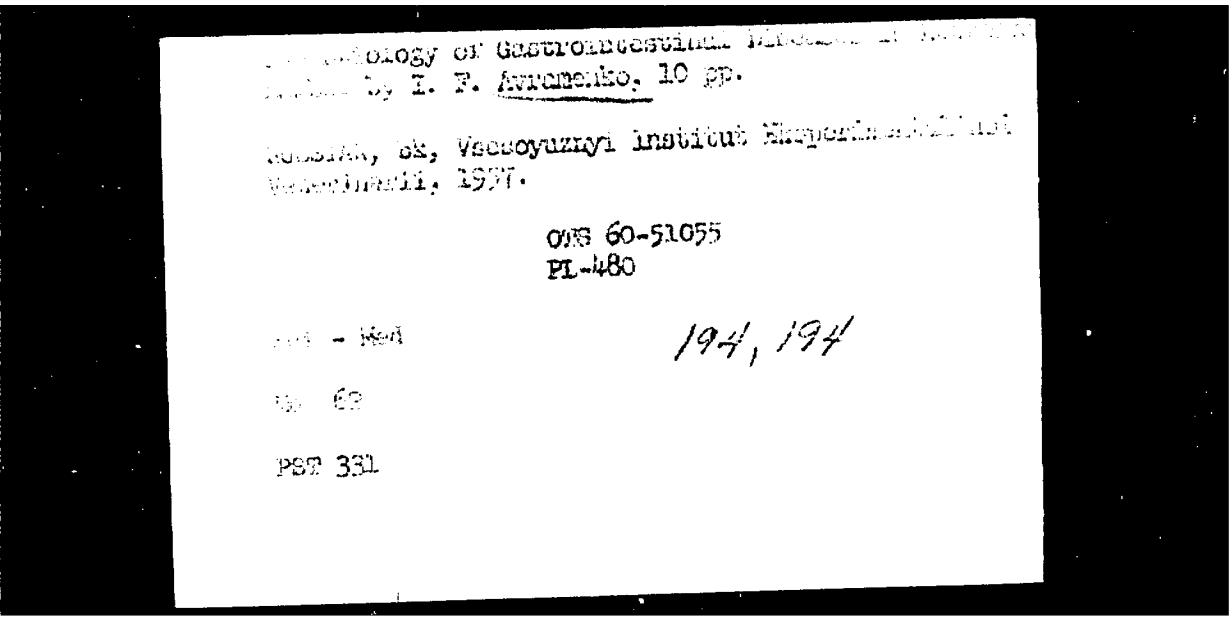
R 7 3256

29,148

USSR
Sci - Medicine, psychology
CTS 73 Oct 55

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



...ology of Gastrointestinal ...
... by I. F. Avramenko. 10 pp.

...sk, Vsesoyuznyi Institut ...
...mi, 1957.

OTS 60-51055
PL-480

194, 194

PST 331

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Prophylaxis and Treatment of Gastrointestinal Diseases in Newborn Lambs, by I. F. Avramenko, 6 pp.

RUSSIAN, bk, Vsesoyuznyi Institut Eksperimental'noi Veterinarii, 1957.

OTS 60-51055
PL-480

Sci - Med

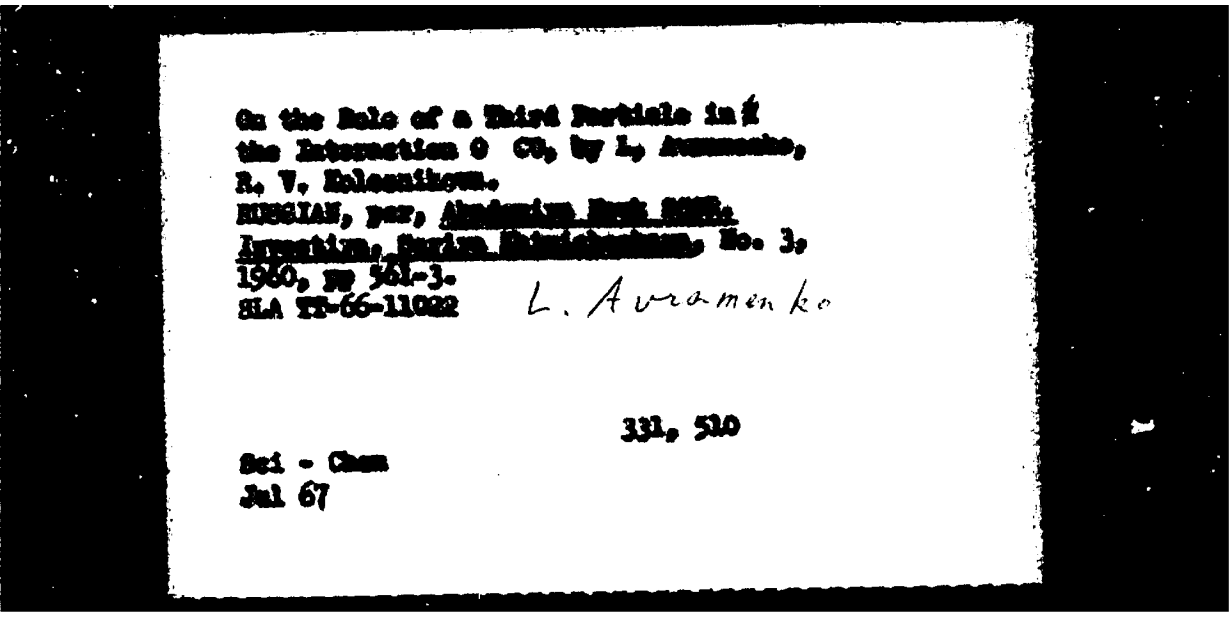
194, 195

May 62

PSP 380

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



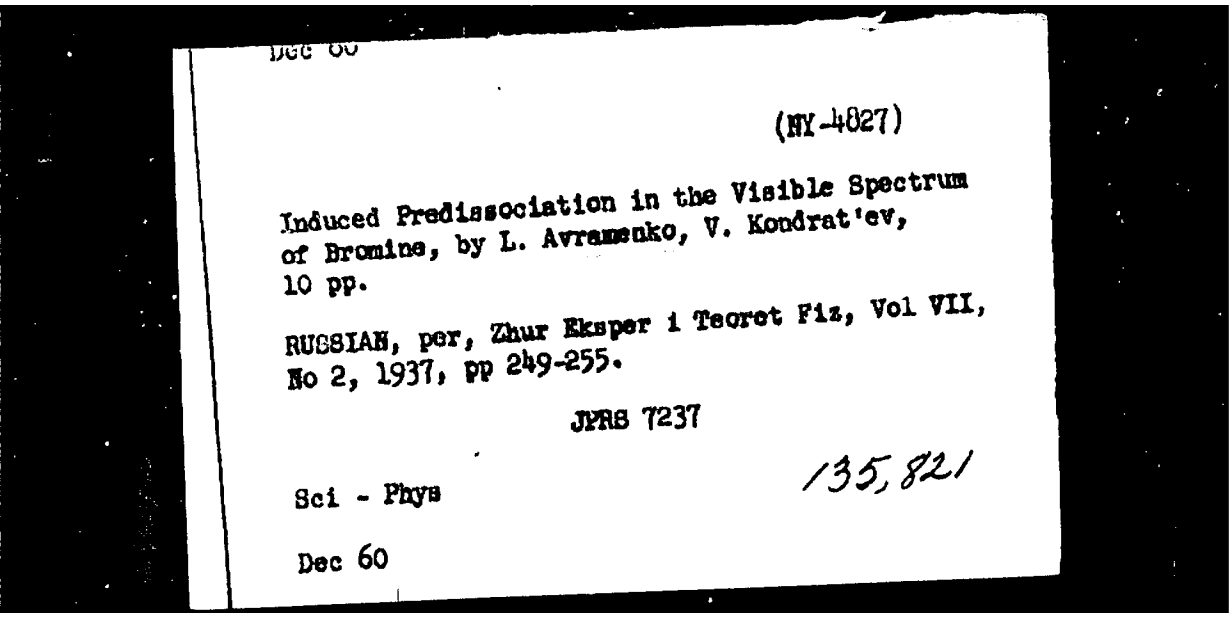
On the Role of a Third Particle in
the Interaction O Cl, by L. Avramenko,
R. V. Kolesnikova.
RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya, Seriya Fizicheskaya, No. 3,
1960, pp 561-3.
SLA TT-66-11022 L. Avramenko

331, 510

Sci - Chem
Jul 67

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



Dec 60

(NY-4827)

Induced Predissociation in the Visible Spectrum of Bromine, by L. Avramenko, V. Kondrat'ev, 10 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VII, No 2, 1937, pp 249-255.

JPRS 7237

135,821

Sci - Phys

Dec 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Light Absorption and Absolute Concentration of Hydroxyl, by L. Avramenko, V. Kondratyev, 14 pp.

RUSSIAN, per, Acta Physicochimica U.R.S.S., Vol VII, No 4, 1937.

Available in English at LC

Sci

Aug 60

121,723

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Influence of Substituents on the Formation of the Condensed System Tetrazolo-(1,5-b)-Benzothiazole, by L. F. Avramenko, V. Ya. Pochinok, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 3, 1963, pp 980-984.

CB

Sci
Apr 64

254,109

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Mechanism of the Stabilizing Effect of Benzothiazolotetrazole Derivatives on Photographic Emulsions, by L. F. Avramenko, Yu. B. Vilenskiy, 14 pp.

RUSSIAN, per, Zhur Nauch i Prik Foto i Kine, Vol VIII, No 6, 1963, pp 419-426.

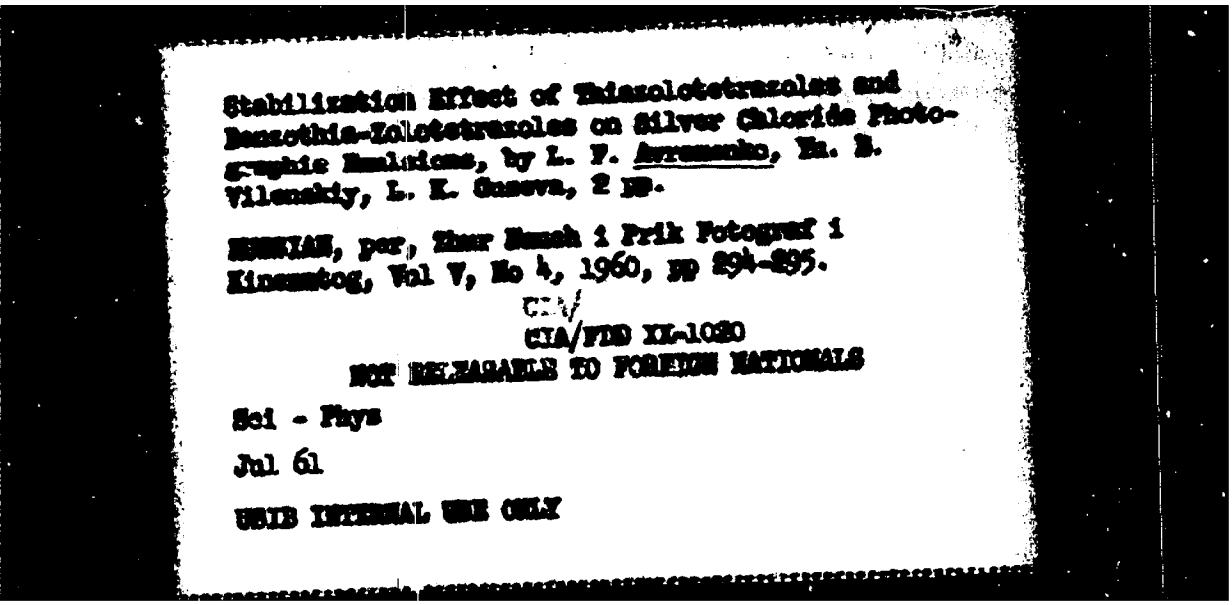
CIA/FDD XX-1594
NO FOREIGN DISSEM

Sci
Oct 64
USIB Internal Use Only

268,061

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



Stabilization Effect of Thiazolotetrazoles and Benzothia-Zolotetrazoles on Silver Chloride Photographic Emulsions, by L. F. Avramenko, Yu. B. Vilenskiy, L. K. Guseva, 2 pp.

ZHURNAL, per, Zhur Nauch i Prik Fotografii i Kinematog, Vol V, No 4, 1960, pp 294-295.

CIA/FDD XX-1020

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jul 61

USIB INTERNAL USE ONLY

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

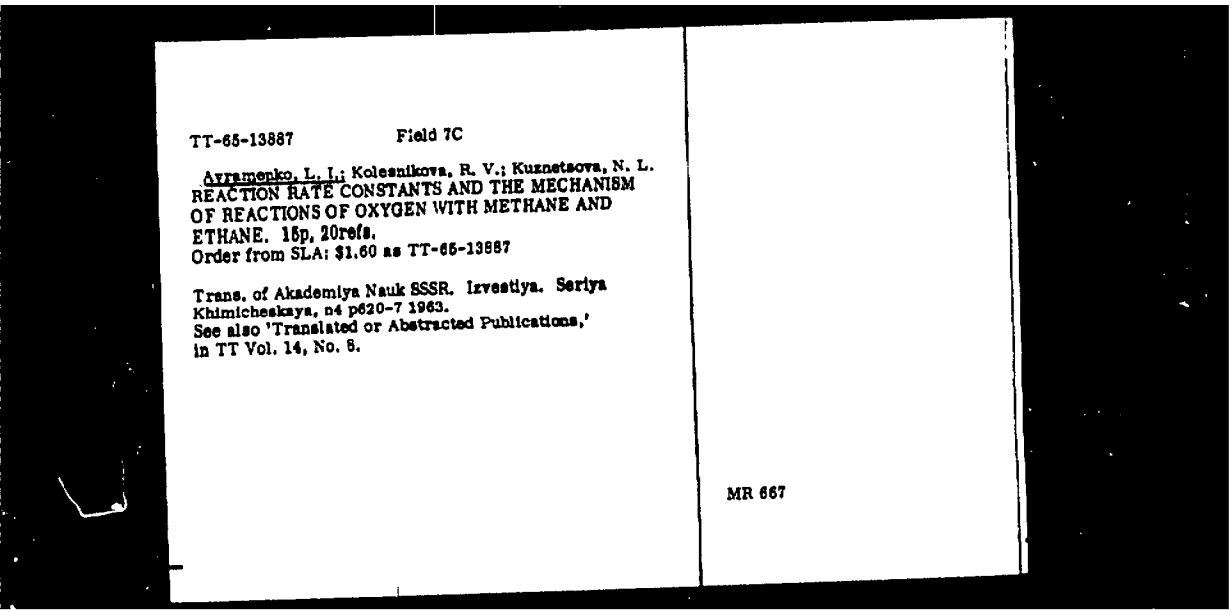
L. I. Avramenko

Reactions of Hydroxyl With Molecules of Different Gases. Part II. Reactions of Free Hydroxyl With Hydrogen and Carbon Monoxide, by L. I. Avramenko.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 24, 1950, pp 207-213
NTC 72-11828-07D

June 72

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



TT-65-13887 Field 7C

Ayramenko, L. I.; Kolesnikova, R. V.; Kuznetsova, N. L.
REACTION RATE CONSTANTS AND THE MECHANISM OF REACTIONS OF OXYGEN WITH METHANE AND ETHANE. 15p, 20refs.
Order from SLA: $1.60 as TT-65-13887

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n4 p620-7 1963.
See also 'Translated or Abstracted Publications,' in TT Vol. 14, No. 8.

MR 667

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Determination of the Rate Constants of the Simple Reactions of Hydrogen Atoms. 1. The Rate Constant for theRecombination of H + H + H_2 -> HO_2 + H_2, by L. I. Avramenko, R. V. Kolesnikova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1961, pp 1971-1975.

CB

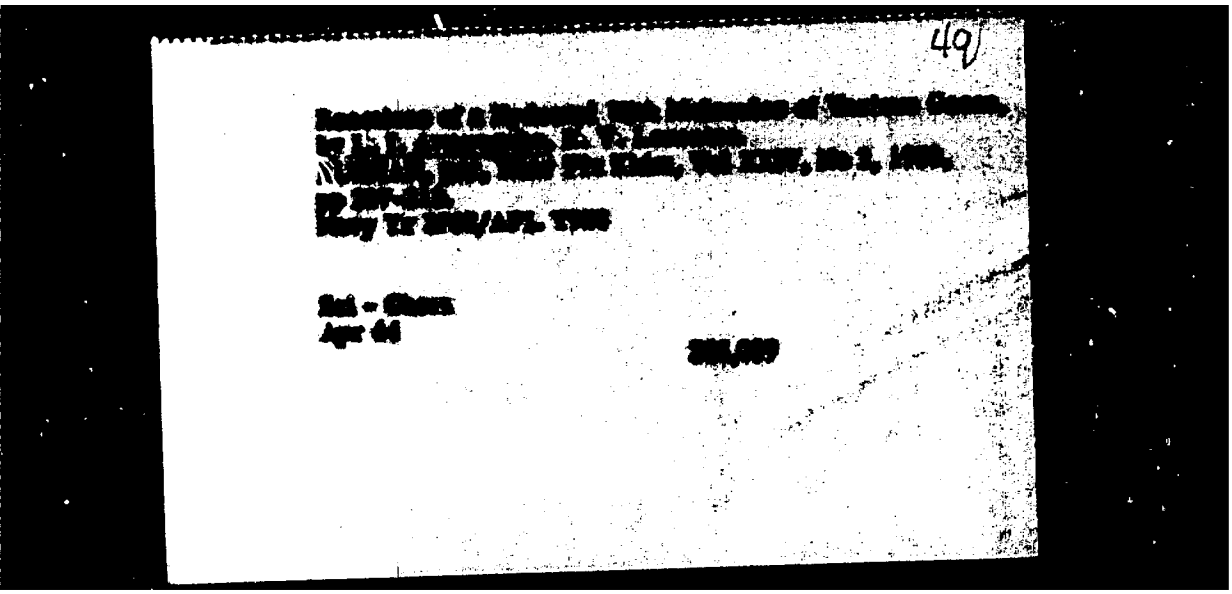
Sci

205,110

Jun 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Rate Constant and Mechanism of the Reaction of Atomic Oxygen With 1,2-Dichloro-Ethane, by L. I. Avramenko, R. V. Kolesnikova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1565-1570.

CB

202,798

Sci

Jul 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Kinetics and Mechanism of the Reaction of Ethyl Radicals with Molecular Oxygen. Communication 2. Dependence of Reaction Kinetics on Third Particle, by L. I. Avramenko, R. V. Kolesnikova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1960, pp 989-995.

CB

Sci

May 62

195,629

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Rate Constants and Mechanism of Reactions of Oxygen Atoms with Methane and Ethane, by L.I. Avramenko, R.V. Kolesnikova, et al, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Naukm, No 4, 1963, pp 620-632.

xm CB

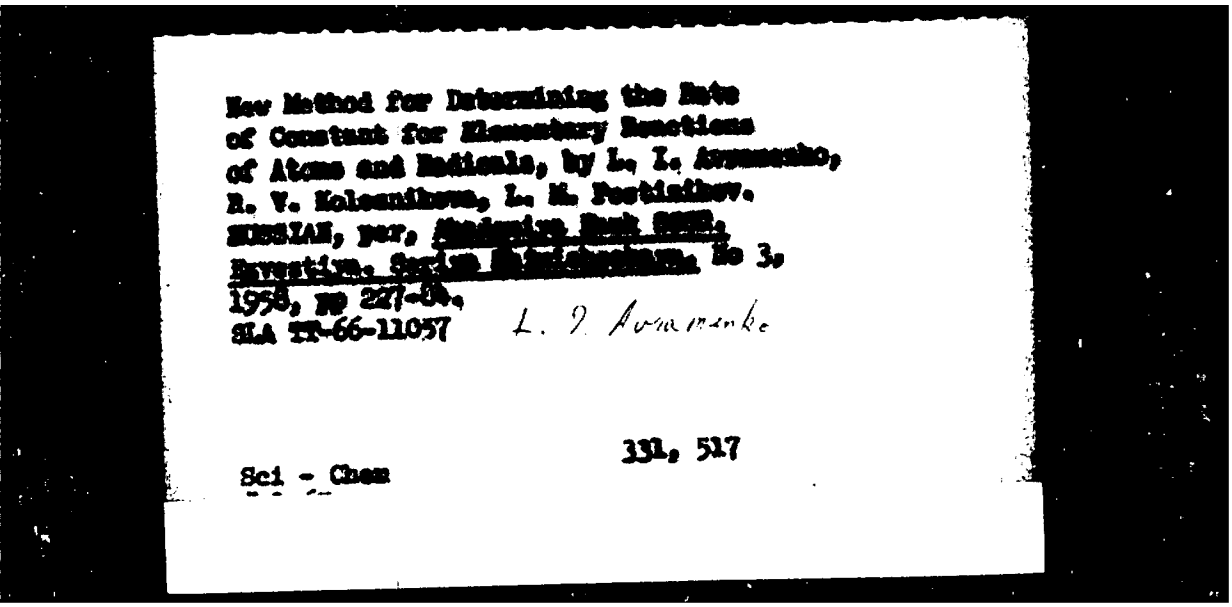
Sci

May 64

256,899

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



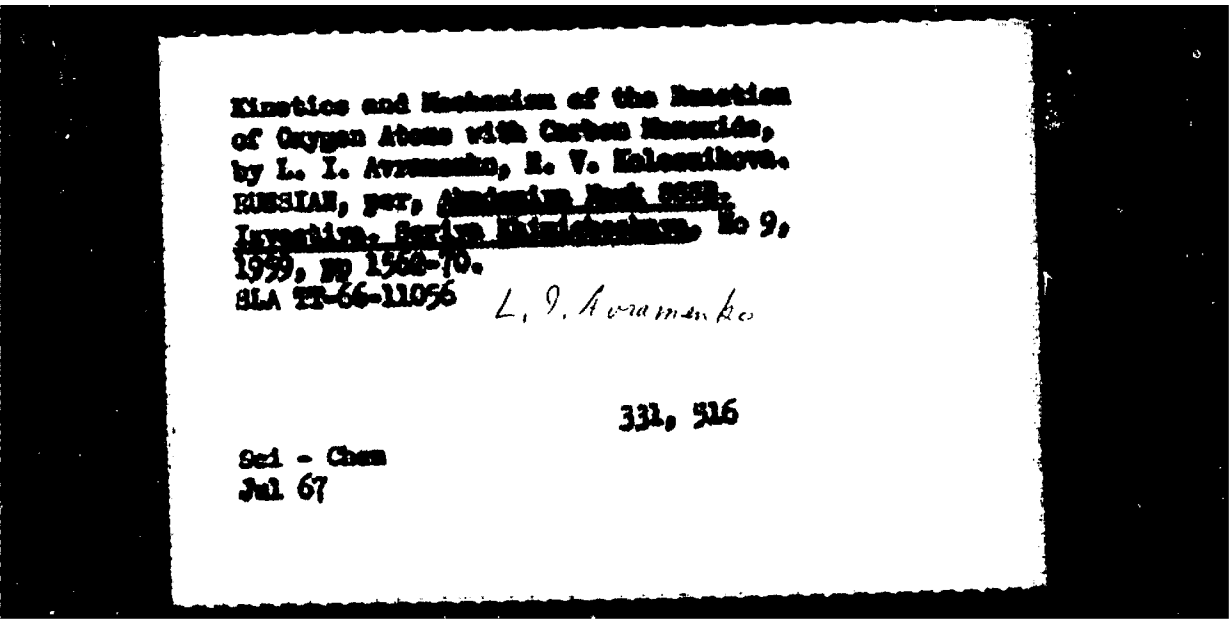
New Method for Determining the Rate
of Constant for Elementary Reactions
of Atoms and Radicals, by L. I. Avramenko,
R. V. Kolesnikova, L. M. Postnikov.
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,
Izvestiya, Section Physical Chemistry, No 3,
1958, pp 227-34.
SLA TT-66-11057 L. I. Avramenko

331, 517

Sci - Chem

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



Kinetics and Mechanism of the Reaction of Oxygen Atoms with Carbon Monoxide, by L. I. Avramenko, R. V. Kolesnikova. RUSSIAN, per, [redacted], Izvestiia, Seriia Khimicheskaia, No 9, 1959, pp 1568-70.
SLA TT-66-11056 L. I. Avramenko

331, 516

Sci - Chem
Jul 67

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Rate Constant for the Reaction Between Oxygen Atoms and Ammonia, by L. I. Avramenko, R. V. Kolesnikova. 6 pp.

RUSSIAN. per. Iz Ak Nauk, Otdel Khim Nauk. No 6, 1962, pp 983-988.

CB

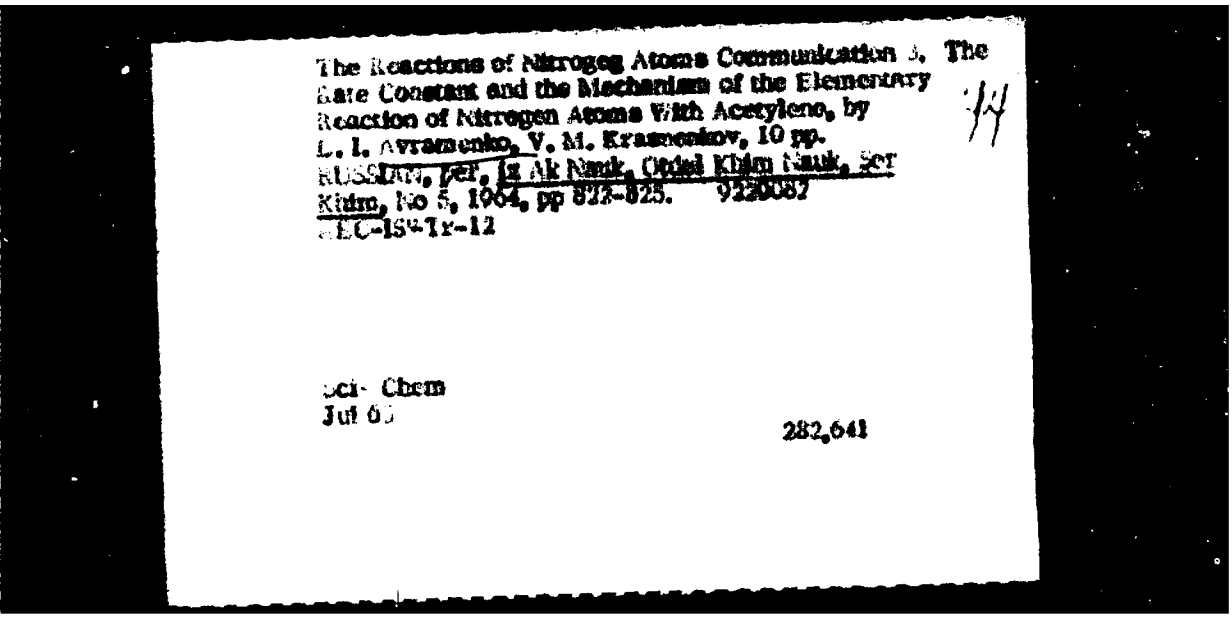
Sci

May 63

233 727

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



The Reactions of Nitrogen Atoms Communication 3. The Rate Constant and the Mechanism of the Elementary Reaction of Nitrogen Atoms With Acetylene, by L. I. Avramenko, V. M. Kramenkov, 10 pp. RUSSIAN, Ref. Iz Ak Nauk, Otdel Khim Nauk, Ser Khim, No 5, 1964, pp 822-825. 9220087 AEC-ISR-Tr-12

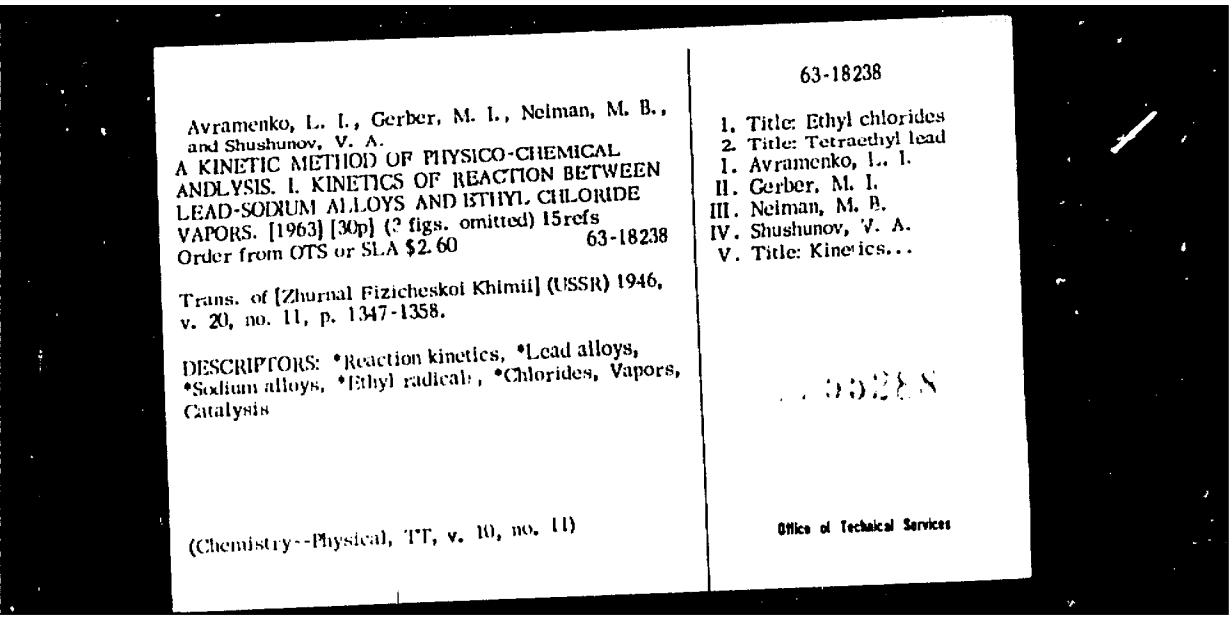
14

Sci- Chem
Jul 65

282,641

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



Avramenko, L. I., Gerber, M. I., Neiman, M. B., and Shushunov, V. A.
A KINETIC METHOD OF PHYSICO-CHEMICAL ANDLYSIS. I. KINETICS OF REACTION BETWEEN LEAD-SODIUM ALLOYS AND ETHYL CHLORIDE VAPORS. [1963] [30p] (2 figs. omitted) 15refs
Order from OTS or SLA $2.60 63-18238

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1946, v. 20, no. 11, p. 1347-1358.

DESCRIPTORS: *Reaction kinetics, *Lead alloys, *Sodium alloys, *Ethyl radicals, *Chlorides, Vapors, Catalysis

(Chemistry--Physical), TT, v. 10, no. 11)

63-18238

1. Title: Ethyl chlorides
2. Title: Tetraethyl lead
I. Avramenko, L. I.
II. Gerber, M. I.
III. Neiman, M. B.
IV. Shushunov, V. A.
V. Title: Kinetics...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Determination of Rate Constants of Elementary Reactions of Hydrogen Atoms, by L. I. Avramenko, R. V. Kolesnikova, 13 pp.
RUSSIAN, per
Iz Ak Nauk SSSR Otdel Khim Nauk, No 11, 1961, pp 1971-1976. 9676126

FTD-TT-62-14

Sci - Chem

189.757

5 Apr 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Determination of the Initial Concentration of Atomic Oxygen Under Jet Conditions by a Chemical Method, by L. I. Avramenko, R. V. Kolesnikova.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, 1955, pp 539-541.

SLA R-4990

Sci - Physics
Apr 59

84,376

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

M^chanism of the Formation of the Cold Flame of Cold Flame of Butene, by A. A. Dobrynskaya, M. B. Neyman; Reactions of Free Hydroxyl, by L. I. Avramenko. 12 pp.

RUSSIAN, bk, Kinetika Tsepnykh reaktsiy Okisleniya, publ by Publ House of the Academy of Sciences of USSR, Moscow/Leningrad, 1950.

CIA C 42926

Sci - Chemistry 36,767

Jul 1956

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Reaction of Atomic Hydrogen With Ethylene, by L. I. Avramenko, R. V. Kolesnikova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1959, pp 746, 747.

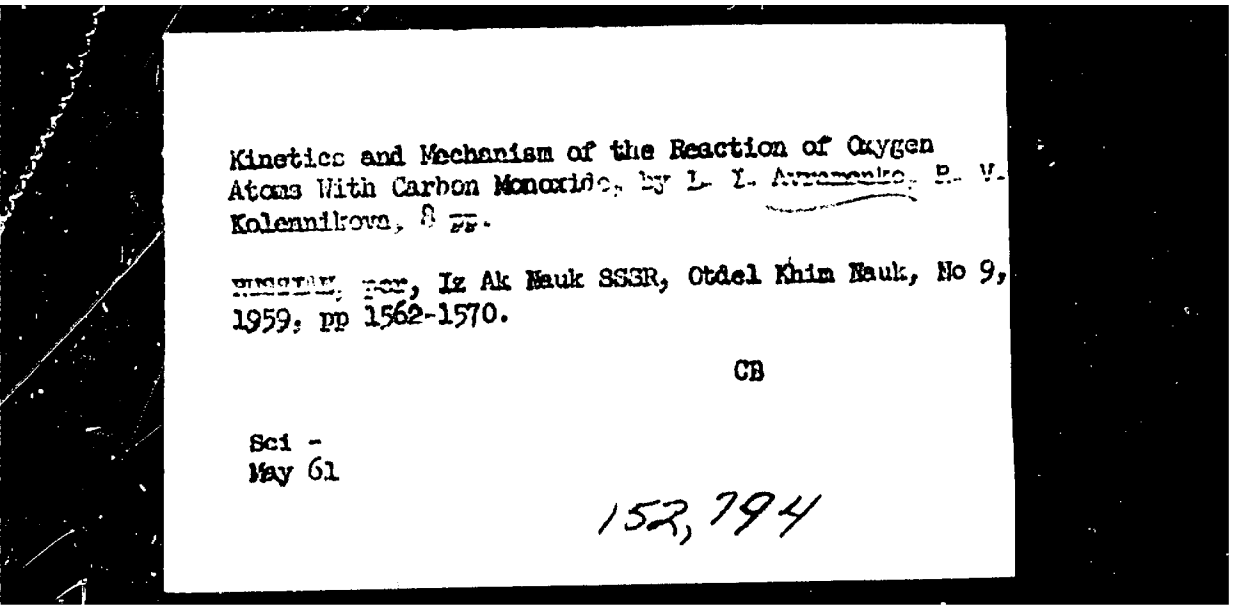
CB

Sci -
May 61

152, 752

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



Kinetics and Mechanism of the Reaction of Oxygen Atoms With Carbon Monoxide, by L. I. Avramenko, R. V. Kolesnikova, 8 pp.

[illegible], mar, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1959, pp 1562-1570.

CB

Sci -
May 61

152,194

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Reactions of Oxygen Atoms With Unsaturated Hydrocarbons, by L. I. Avramenko, R. V. Kolesnikova, 18 p.

RUSSIAN, per, Voprosy Khimicheskoy Kinetiki Kataliza i Reaktsionnoy Sposobnosti, 1955, pp 7-17.

NRCC TT-789

Sci
Feb 60
Vol 2, No 9

107,045

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Kinetics and Mechanism of Interaction of Ethyl Radicals with Molecular Oxygen, by L. I. Avramenko, R. V. Kolesnikova.

RUSSIAN, per, Izv, An SSSR, Otd, Khim., Nauk, No 5, 1960, pp 806-811.

ERDL Ft Belvoir
T-1229

Sci - Chem

155,249

Jun 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Rate Constant and Mechanism of the Reaction of Atomic Oxygen with Methyl Alcohol by, L.I. Avramenko, R.V. Kolesnikova, N.L. Kuznetsova, 4pp.

RUSSIAN, per., Iz Ak Nauk SSSR. Otdel Khim Nauk, No 4, 1961, pp. 599-603.

CB

200, 6½

Sci.
April 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Kinetics and Mechanism of the Reaction of the CH2OH Radical with O2 Molecules by, L.I. Avramenko and R.V. Kolesnikova, 7pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1961, pp. 591-598.

CB

200,670

Sci
April 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Rate Constant and Mechanism of the Reaction of Atomic Oxygen with Acetaldehyde, by L.I. Avramenko, R.V. Kolesnikova, M.F. Sorokina, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1961, pp 1005-1010.

CB

200,702

Sci
Apr 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Elementary Reactions of Atomic Oxygen in Ethane, by
L. L. Avramenko, R. G. Kosenmikova,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,
No 6, 1953, pp 1037-1040.

36,093
Nat Res Lib TT-573

Scientific - Chemistry

Jun 56/dax

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Reaction of Oxygen Atoms With Benzene, by
L. E. Avramenko, E. E. Ioffe, R. V. Lorentso.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol LXVI, No 6,
1949, pp 1111. CIA D 472 453

AEC Tr 201
also Sci Tr Cen TT 121

AT:

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Reactions of Ethyl Free ~~Radi~~ Radicals with Molecular Oxygen, by L. I. Avramenko, R. V. Kolesnikova.

RUSSIAN, per, Izvest Akad Nauk SSSR Otdel Khim Nauk, ~~Vol MCMXVIII~~, No 10, pp 1192-1198.
1958
ASTIA RJ-1644

SLA [illegible] 451

Sci - Chem

Jul 59

90,833

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Elementary Reactions of Atomic Oxygen With Methane, by L. I. Avramenko, R. V. Kolesnikova, 5 pp.

RUSSIAN, thrice-mc per, Dok Ak Nauk, Vol XCI, No 1, 1953, pp 107-109.

26,709 Sci Trans Center FT 2995

Scientific - Chemistry Sep 55 CTS/DEX

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Formation of Oxygen Atoms on a Glass Surface, by L. I. Avramenko, R. V. Kolesnikova, 3 pp.

RUSSIAN, per; Zhur Fiz Khim, Vol XXXIII, No 11, 1959, pp 2540-2544.

Cleaver-Hume Press

Sci

Aug 60

123,653

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Experimental Determination of the Sequence [redacted] of Elementary Reactions of Atoms and Radicals, by L. I. Avramenko, R. V. Kolesnikova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2, 1953, pp 349-352.

OTS 61-31100
Natl Res Council, Canada
TT No 761

Sci - Physics

Apr 60

112, 638

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Determination of the Initial Concentration of Atomic Oxygen Under Jet Conditions by a Chemical Method, by L. I Avramenko, R. V. Kolesnikova.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 3, 1955, pp 539-541.

Natl Res Council, Canada
TT No 760

Sci - Chem

Apr 60

112,636

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Avramenko, L. I. and Kolesnikova, R. V.
KINETICS AND MECHANISM OF THE INTERACTION OF ETHYL RADICALS WITH MOLECULAR OXYGEN, tr. by R. P. Illwitzer. 16 Feb 61. 8p. 13 refs.
APL/JHU TG-230-T215.
Order from OTS $0.50 61-21999

Trans. of Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1960, no. 5, p. 806-811.

DESCRIPTORS: *Ethyl radicals, *Oxygen, Reaction kinetics, Chemical reactions.

(Chemistry--Physical, TT, v. 6, no. 2)

61-21999

I. Avramenko, L. I.
II. Kolesnikova, R. V.
III. APL/JHU TG-230-T215
IV. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md.
V. Contract NOrd-7386

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Avramenko, L. I. and Kolesnikova, R. V.
REACTION OF FREE ETHYL RADICALS WITH MOLECULAR OXYGEN, tr. by B. W. Kuvshinoff. 12 Oct 60, 10p. 8 refs. APL/JHU TG 230-T136.
Order from OTS $0.50 61-11169

Trans. of *Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1958, no. 10, p. 1192-1198. Other translations are available from LC or SLA mi$2.40, ph$3.30 as 59-15451 [1959] 11p. and ATS $8.20 as ATS-471.29R [1958] 9p.

Reaction products of the ethyl radical and molecular oxygen at temperatures of 100 to 300° are ethylene oxide or acetaldehyde and hydroperoxide. The surface condition of the reaction chamber strongly influences the direction of reaction of $C_2H_5 + O_2$. The formation of ethylene oxide from the reaction of the ethyl radical and a molecule of oxygen occurs on the walls of the reaction vessel treated with discharge products in water vapor. The interaction of an ethyl radical with (Chemistry--Organic, TT, v. 5, no. 9) (over)

61-11169

1. Free radicals--Chemical reactions
2. Oxygen--Chemical reactions

I. Avramenko, L. I.
II. Kolesnikova, R. V.
III. APL/JHU TG-230-T136
IV. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md
V. Contract NOrd-7638

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

New Method of Determining Rate Constants of Elementary Reactions of Atoms and Radicals, by L. I. Avramenko, R. V. Kolesnikova, L. M. Postnikov, 7 pp.

RUSSIAN, per, Iz Nauk SSSR, Otdel Khim Nauk, No 3, 1958, pp 277-284.

Consultants Bureau

Sci - Chem

Apr 60

112,298

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Reaction of the Isopropyl Radical with the Oxygen Molecule, by L. I. Avramenko, R. V. Kolesnikova, 4 pp.

RUSSIAN, per: Dok Ak Nauk SSSR, Vol CXXXI, No 6, 1960, pp 1370-1372.

CB

149 955

MP
Sci

Apr 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Kinetics and Mechanism of the Interaction of Methyl Radicals With Molecular Oxygen, by L. I. Avramenko, L. L. Postnikov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1960, pp [illegible] 1921--1929.

CB

Sci
May 60

192,071

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Mechanism of Formation of H_2O and H_2O_2 in the Reaction of Hydrogen Atoms With Oxygen Molecules, by L. L. Avramenko, R. V. Kolesnikova. USSR

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2780-2786.

DSIR LUU RTS 1218

(17s. 6d.)

100, 787

Sci - Chem
Nov 59

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

~~243, 180~~

Rate Constants and Reaction Mechanisms of Oxygen Atoms With Ethylene, Propylene, and Isobutylene, by L. I. Avramenko, R. V. Kolesnikova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk, No 1, 1963, pp 36-44.

CB

Sci
Dec 63

245,186

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Experimental Determination of the Sequence of Successive Elementary Reactions of Atoms and Radicals, by V. I. Avramenko, R. V. Kolesnikova, 8 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, May-Jun 1955, CIA C 39502
pp 386-394

Consultants Bureau

USSR
Scientific - Chemistry

28,796

Nov 55 CTS/DEX

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

A Photochemical Study of the Mechanism of the Reaction Between Oxygen Atoms and Acetaldehyde, by L. N. Avramenko, R. V Kolesnikova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 7, 1961, pp 1231-1233.

CB

Sci

Jun 62

200,195

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Absorption and Luminescence Centers in Thallium Solutions, by V. G. Avramenko, N. U. Belyy, [illegible] pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII, No 1, 1959, pp 66-69.

Columbia Tech

Sci

Mar 60

111,523

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Synthesis of β-Amino Acids from Aromatic Hydroxy and Alkoxyaldehydes, by V. M. Rodyonov, A. A. Dubinskaya, V. G. Avramenko, N. N. Suvorov, pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 8, 1958, pp 2242-2246.

CB

Sci - Chem
Oct 59

99,952

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Synthesis of β-Diiodotyrosine, by V. M. Rodionov, N. N. Suvorov, V. G. Avramenko, L. M. Morozovskaya, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 8, 1957, pp 2234-2238.

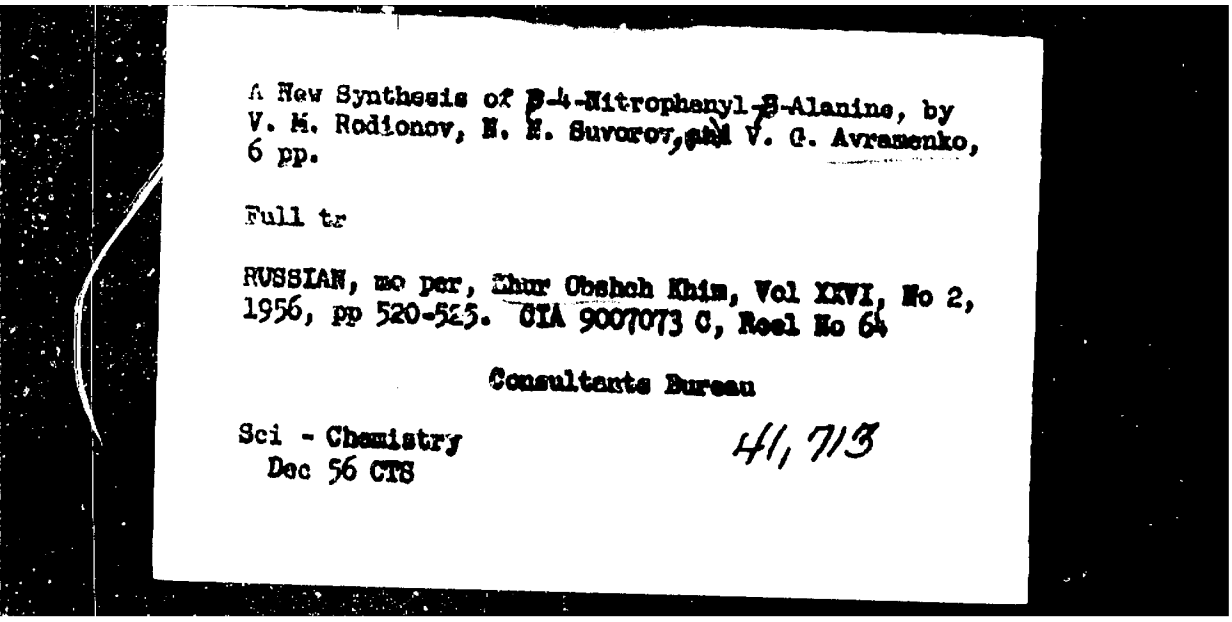
Consultants Bureau

Sci - Chem
Oct 58

74, 209

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



A New Synthesis of β-4-Nitrophenyl-β-Alanine, by
V. M. Rodionov, N. N. Suvorov, and V. G. Avramenko,
6 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 2,
1956, pp 520-525. CIA 9007073 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Dec 56 CTS

41, 713

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

An Investigation of the Electrical Properties of Some Mixed Ferrites in Alternating Electric Fields, by, E. V. Sinyakov, V. P. Avramenko, 4 pp

RUSSIAN, per, Fiz Tverdogo Tela, Vol. III, No 2, 1961, pp 411-415.

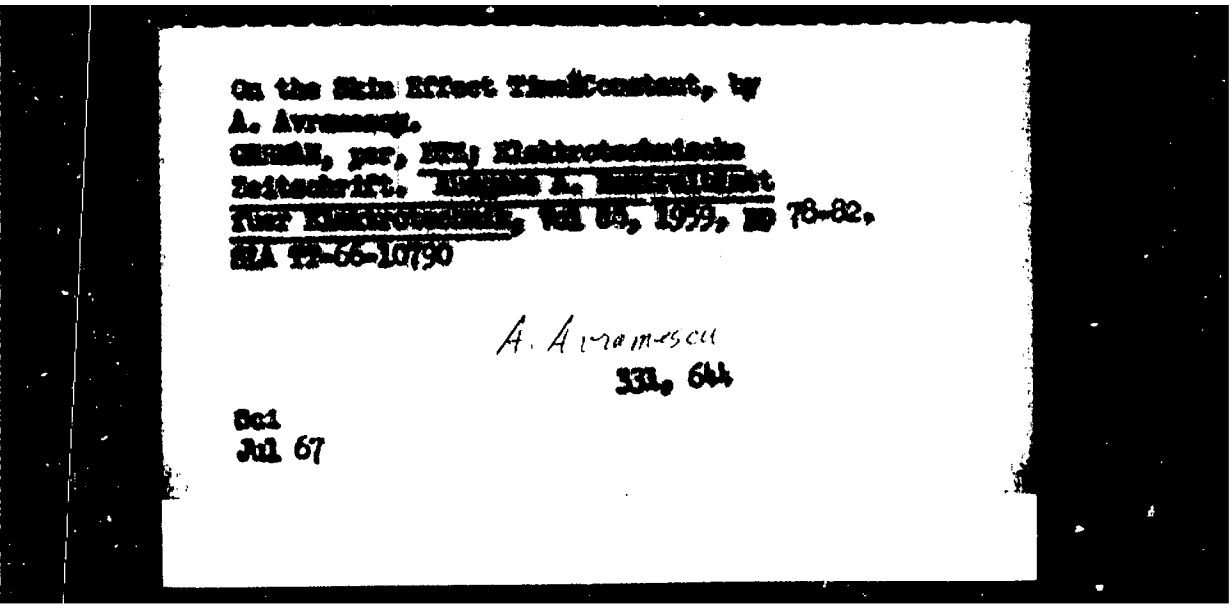
AIP
SOV Phys-Solid State
Vol III, No 2

166,037

Sci
Aug 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



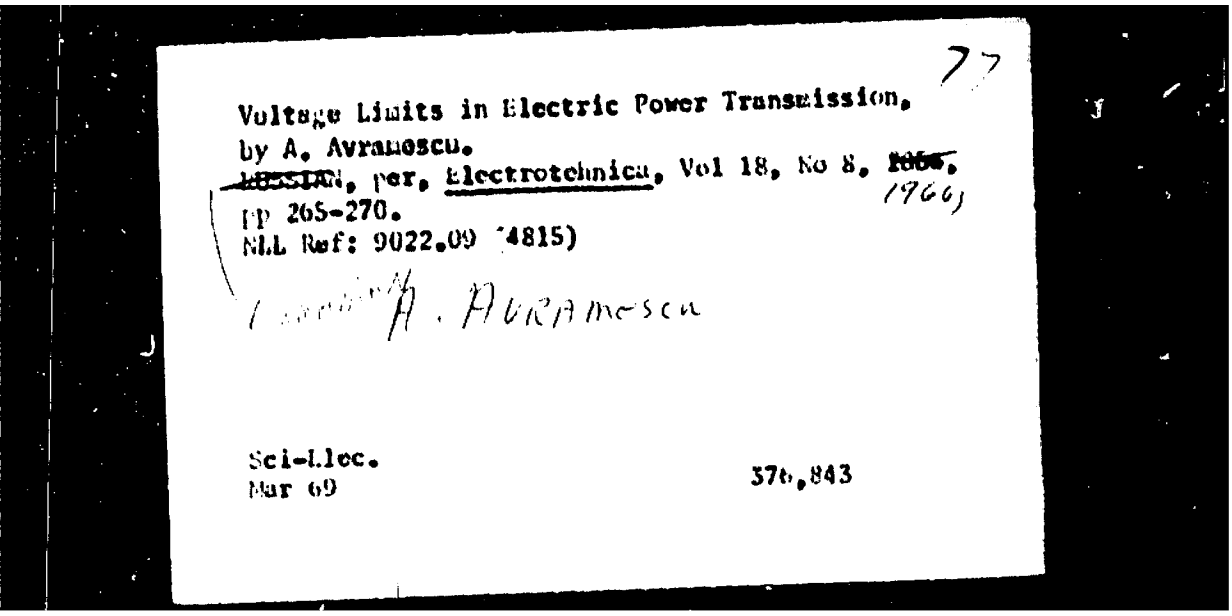
On the Skin Effect Timeconstant, by
A. Avramescu.
[illegible], par, [illegible]
Zeitschrift. [illegible]
[illegible], Vol 04, 1959, pp 78-82.
[illegible]

A. Avramescu
333, 644

Sci
Jul 67

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



77

Voltage Limits in Electric Power Transmission,
by A. Avramescu.
[illegible], per, Electrotehnica, Vol 18, No 8, ~~1968~~ 1966,
pp 265-270.
NLL Ref: 9022.09 4815)

A. Avramescu

Sci-Llec.
Mar 69

376,843

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

On the Heating of Punctiform Contacts at Constant Current Load, by A. Avramescu, 24 pp.

GERMAN, per, Arch Elektrotech, Vol XXXIII, No 4, 1939, pp 261-268.

SLA Tr 57-647

50,665

Sci - Electricity

Aug 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Wings of the Mighty Upsurge, by Avramov.

RUSSIAN, np, Izvestiya, 15 Dec 1962.

FBIS WIRES

USSR
Soc
Dec 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

SETEE (NY-2745).

Statistical Study of the Influence of Composition or Assortment on the Cost of Industrial Production, by Albert Avramov, 26 pp.

BULGARIAN, per, Statistika, Vol VI, No 2, Mar/Apr 1959, Sofia, pp 55-68.

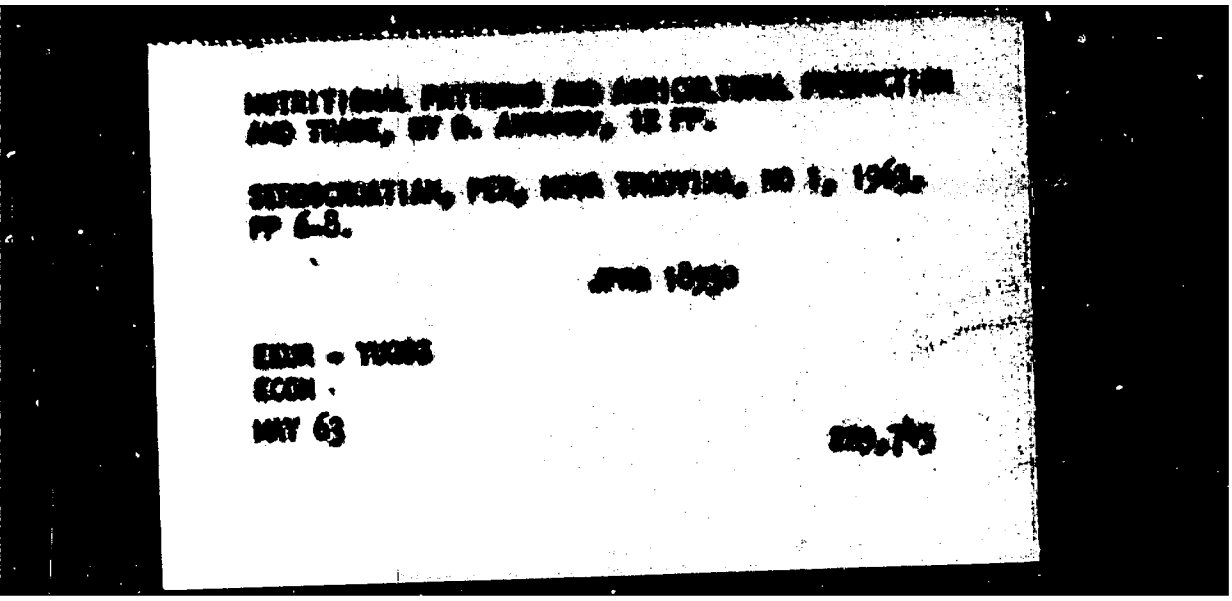
JPRS-1909-N

EEur - Bulgaria
Econ - Industry
Oct 59

98, 481

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



NUTRITIONAL PATTERNS AND AGRICULTURAL PRODUCTION
AND TRADE, BY S. ANDREEV, 12 PP.

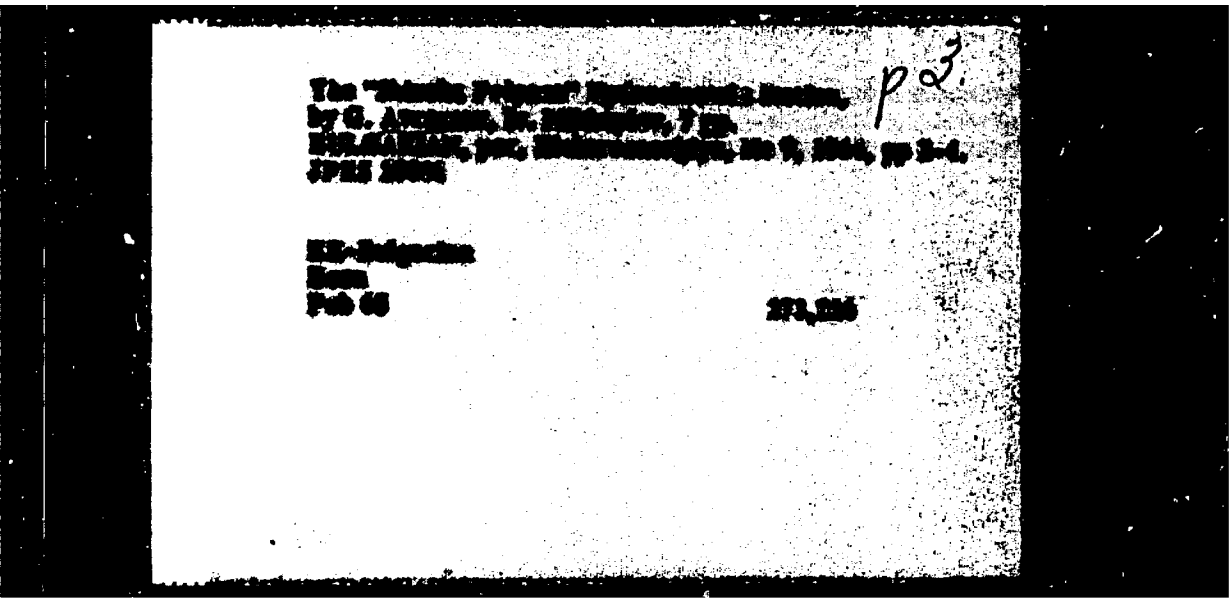
SOVETSKAYA TORGOVLYA, NO 1, 1963.
PP 6-8.

JPRS 19,930

EDDR - YUGOS
ECON .
MAY 63

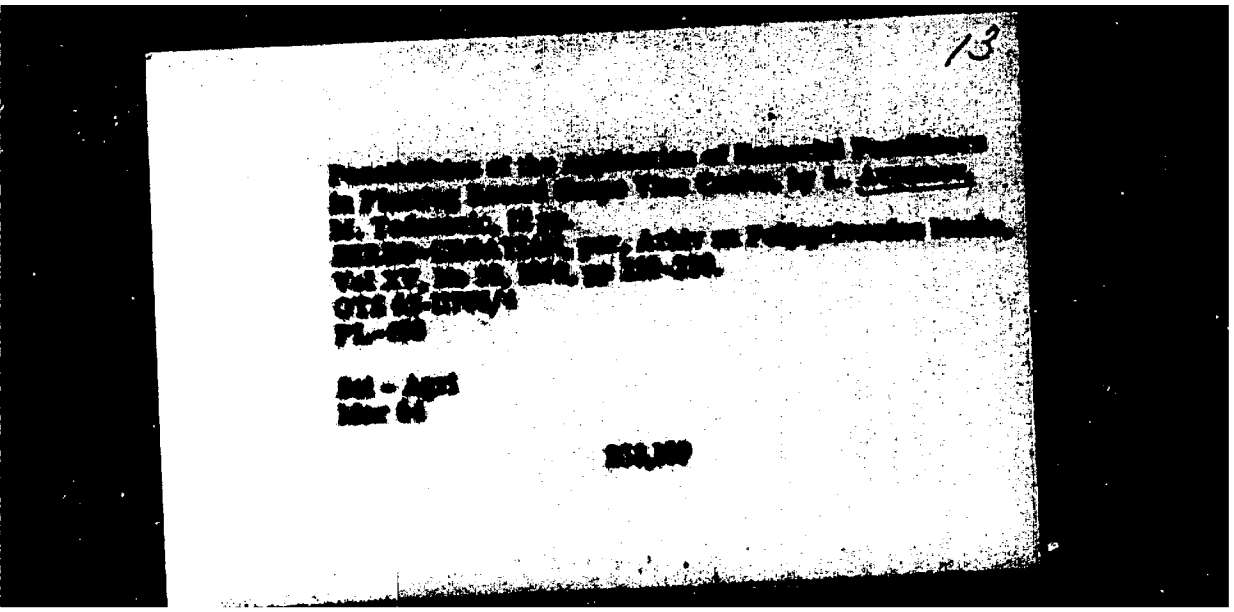
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

FOREIGN TRADE AND ITS ROLE IN THE BUILDING OF SOCIALISM IN BULGARIA, BY LUCHEZAR AVRAMOV, 15 PP.

BULGARIAN, PER, NOVO VREME, NO 9, 1962, PP 52-62.

JPRS 16501

EEUR - BULGARIA
ECON
DEC 62

218,139

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(NY-6040)

The Need for Specialists on the Okrug Level, by Todor Avramov, 12 pp.

BULGARIAN, per, Planovo Stopanstvo i Statistika, Vol XVI, No 5, 1961, pp 40-49.

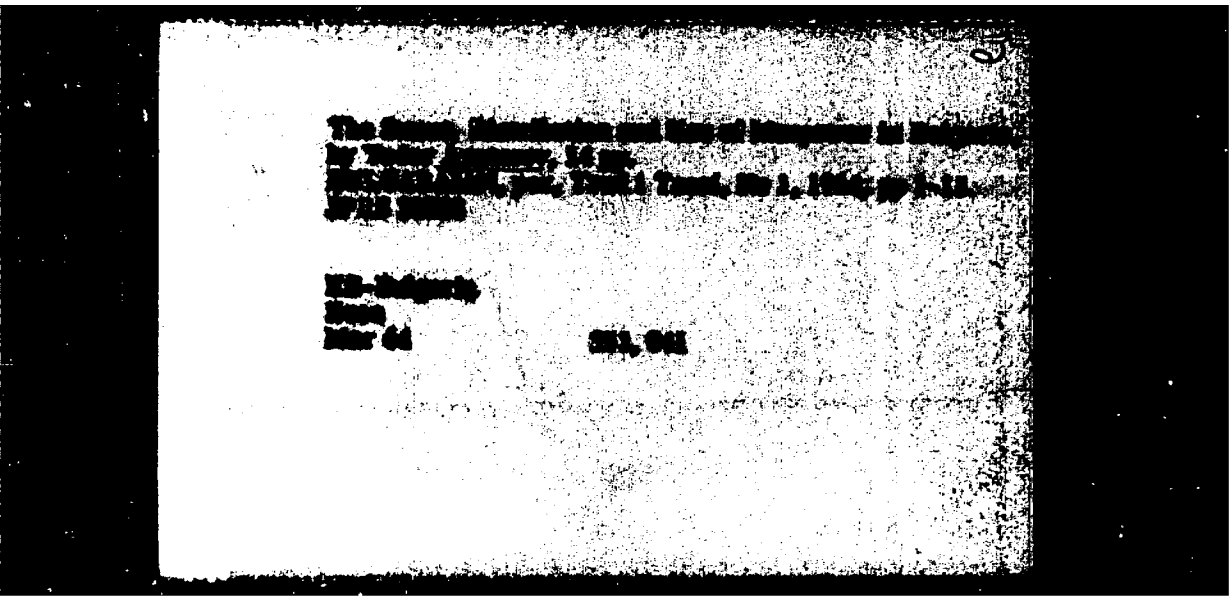
JPRS 11117

175,089

EEur - Bulgaria
Econ
Dec 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Certain Changes in the Composition of the Labor Force Employed in Industry, by Todor Avramov, 19 pp.
BULGARIAN, per, Ikonomicheska misul, No 9, (Nov) 1964, pp 37-5[illegible].
JPRS 28670

p 16

USSR-Bulgaria
Econ
Feb 65

273,276

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The State, Distribution, and Use of Labor Resources in Agriculture, by Todor Avramov, 12 pp.
BULGARIAN, per, Trud i kooni, No 9 (Nov) 1964, pp 1-13.
JPRS 28207

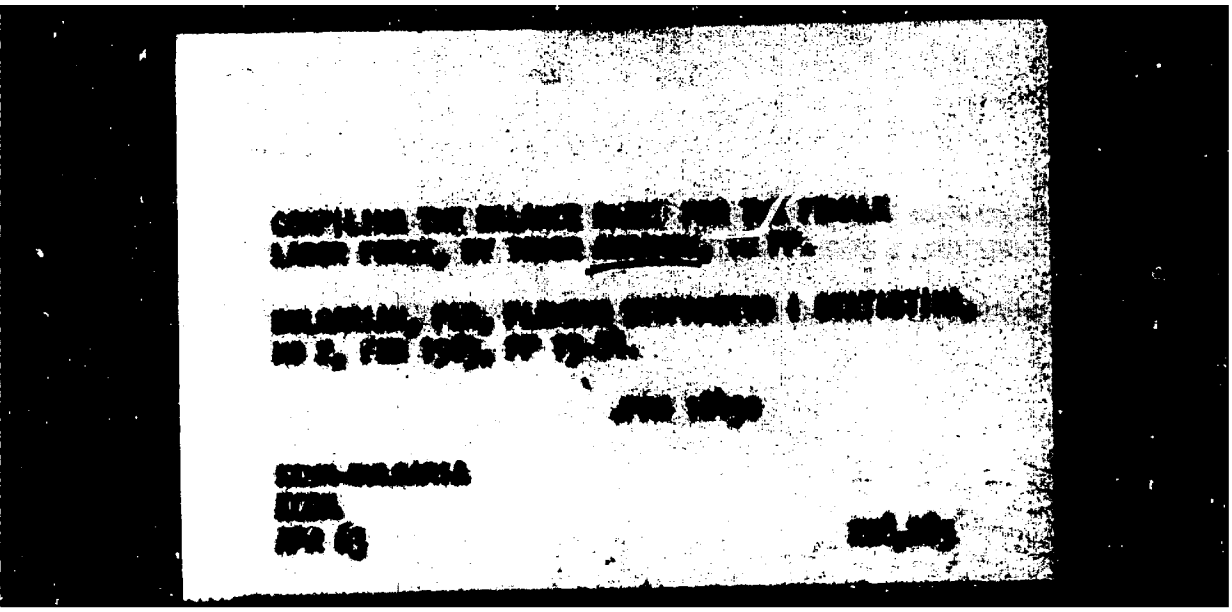
p 16

Eur-Bulgaria
Econ
Mar 65

275,805

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Petrological Characteristics and the Stratigraphic and Tectonic Position of the Magmatic Rocks of the Prokletije Mountains, by Srbobran Mojsilovic, Vera Avramovic, 25 pp.

SRPSKO-GEOLOSKI, per, Vesnik Zavoda za Geoloska i Geofizicka Istrazivanja, Series A, No 20, 1962, pp 307-313.

CFS 62-11756/1
PL-480

248,648

BEOA - Yugoslavia
Geog
Jan 64

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(NY-5373/2)

A View of Modern America, by Miodrag Zika Avramovic, 40 pp.

CROATIAN, per, Nasa Stvarnost, No 5, 1960, pp 602-619.

JPRS 7866

EEur - Yugoslavia

Econ

Feb 61

138,687

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(DC-4768).

The Fact and Fiction of Urbanization in America, by Miodrag Zika Avramovic, 24 pp.

CROATIAN, per, Nasa Stvarnost, No 7, 8, 1960, pp 60-63.

JPRS 6537

NorAmer - US
Econ
24 Jan 61

137,639

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

New Data on the Age of the Granitoid Intrusives of Central Pamirs, by A. S. Avrashov, A. Ya. Krylov, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science Sections, Vol.Cliii, No 1-6, Nov, Dec 1963, pp

Amer Geol Inst

Sci
Jul 65

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Effect of Chemical Treatment of the Surface of Glass Fibre Fabric on the Properties of Fibreglass Laminates, by Ya. D. Avrasin, A. Ya. Korolev, Ya. I. Mindlin, 4 pp.

RUSSIAN, per, Plasticheskiy Massy, No 7, 1960, pp 31-35.

RAPRA

Sci

Aug 61

163,069

CIA/FDD X-4695

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Determination of Meteor Radiants by the Method of Sustained Oscillations, by G. V. Avramova, 8 pp.

RUSSIAN, per, Byul Inst Astronomii Ak Nauk Tadzhik SSSR, No 27, 1959, pp 31-36. 9878632

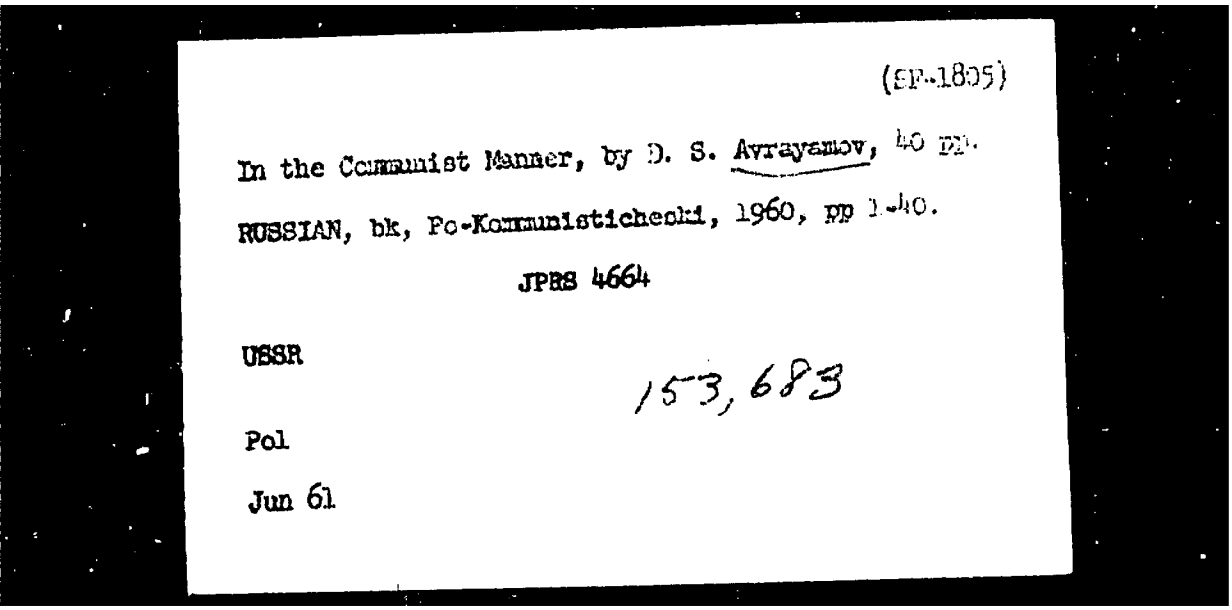
FTD-TT-62-991

Sci - Phys
Nov 62

216,921

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



(SP-1805)

In the Communist Manner, by D. S. Avrayamov, 40 pp.

RUSSIAN, bk, Po-Kommunisticheski, 1960, pp 1-40.

JPRS 4664

USSR

153,683

Pol

Jun 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Vi and O Antigens in Immunity to Typhoid Fever.
I. Obtaining Vi Antigen From "Whole Antigen" of
Typhoid Fever Bacteria, by V. V. Avrekh, E. S. Geronimus
5 pp.

RUSSIAN, no per, Zhur Mikrobiol, Epidemiolog i
Immunobiolog, Vol 1, 1947, pp 33-35.

Sci Trans Center RT-153

USSR
Scientific - Medicine

8696

Jan 54 CTS

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Conquest of the Sea, by Gilles Avril, 69 pp.

FRENCH, bk.

Burke/London
(Harvey-House)

Sci - Misc.

Sep 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Cast Iron for the Manufacture of Alkali-Resisting Boilers, by K. I. Vashchenko, A. N. Firstov, P. V. Avrinskiy.

RUSSIAN, per, Lit Proiz, No 1, 1960, pp 7-10.

BCIRA 1005

Sci - Engr

168, 587

Sep 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Sulfur Removal From Cast Iron by Treatment with Magnesium, by K. I. Vashchenko, P. V. Avrinskiy, B. M. Pashkovskiy,

RUSSIAN, per, Lit Proiz, Vol V, No 1, 1954, pp 9-14. CIA D 169619

Brutcher Tr No 3386

13,727

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(DC-6804)

Leader of Israeli Leftist H Ahdut 'Avodah Party Discusses Possible Union With Mapai, by Yosef 'Avron, 9 pp.

HEBREW, np, Haboker, 27 Apr 1962, pp 3, 9.

JPRS 13807

NE/A - Israel
Pol
May 62

196, 137

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Renormalization of Pseudoscalar Meson Theory With Pseudovector Coupling, by E. N. Avrorin, E. S. Fradkin, 4 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX, No 4, 1956, pp 750-760.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 6

Sci - Physics
Apr 57 CTS

#6,736

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

The Nervous Regulation of the Cerebral Circulation, by V. P. Avrorov, 9 pp.

RUSSIAN, per, Fiz Zhur SSSR im I. M. Sechenova, Vol XLIV, No 5, 1958, pp 404-412.

Pergamon Inst

Sci - Med

Jan 59

78,832

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Studies of Cerebral Circulation in Series Experiments by Means of Changes in the Blood Pressure Gradient in Vessels Supplying the Brain, by V. P. Avrunev, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIV, No 8, 1957, pp 11-14.

Consultants Bureau

Sci - Medicine
Jul 58

66 211

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

(FDD 25591)

Plethysmography of the Brain in the Chronic Experiment, by V. P. Avrorov, 7 pp.

RUSSIAN, no per, Byul Eksper Biol i Med, Vol XXXVIII, No 12, Moscow, Dec 1954, pp 66-68

CIA/FDD/U-7695

USSR
Sci - Medicine, neurophysiology 31,599

Jan 56 CTS

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Characteristics of Strains of Influenza Virus Isolated in Rostov-upon-Don in 1957, by O. Yu. Reznikova, R. I. Avrorova, 5 pp.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 5, 1959, pp 585-590.

PP

Sci

Oct 60

130,558

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

Investigation of the Use of Spray Scrubbers on Gases From Lead Smelting Furnaces, by V. G. Avrov.
RUSSIAN, per Tsvet. Metally, No. 2, 1964, pp 31-36.
GB 72

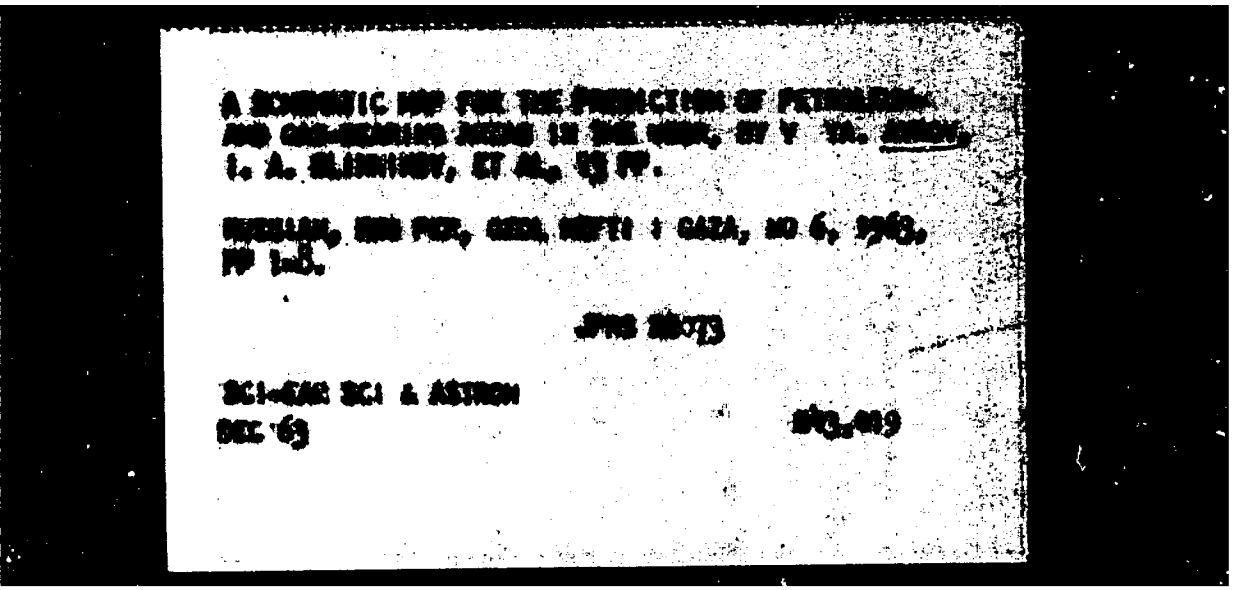
V. G. AVROV

Sci -
Aug 67

337-467

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9



A SCHEMATIC MAP FOR THE PREDICTION OF PETROLEUM
AND CONDENSATE ACCUMULATIONS, BY V. YA. [illegible],
I. A. BLIZNYUKOV, ET AL., 13 PP.

[illegible], NAUK PRIR. GORYUCH. I GAZA, NO 6, 1963,
PP 1-8.

JPRS 20073

SCI-GAS: SCI & ASTRON
DEC '63

[illegible]

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200600005-9